

19990522.qrp v01_n465.qrl.990522

Date: Sat, 22 May 1999 19:03:33 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1465

QRP-L Digest 1465

Topics covered in this issue include:

- 1) [41068] Record for speed.
by Jim Ek <JIM-EK@worldnet.att.net>
- 2) [41069] Thanks to all for the WARC band advice
by Alan Adelman <aadelma@yahoo.com>
- 3) [41070] Re: Source for Gel Cell Batteries
by Randy and Cara Randall <crrandal@seidata.com>
- 4) [41071] Re: Record for speed.
by "Richard Brummer" <obvious@bestweb.net>
- 5) [41072] 30 m signal near 10.105
by James R Giammanco <n5ib@juno.com>
- 6) [41073] QRP 5-oh
by john <johnmb@mindspring.com>
- 7) [41074] This to that adapter
by "The one and only!" <mitch96@pobox.com>
- 8) [41075] RE: Hamsticks, etc.
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 9) [41076] Re: mobile setup
by K2UD@aol.com
- 10) [41077] Re: Speaking of Mobile!
by George F Franklin <w0av@juno.com>
- 11) [41078] Want: SWL GM-40
by Duffer <hduff@ica.net>
- 12) [41079] Re: Hamsticks, etc.
by Roger Hightower <n7kt@earthlink.net>
- 13) [41080] QRP and Condx. Thanks to N0HJ/7!!!
by Macstein@aol.com
- 14) [41081] Another NC20 AFA problem
by Elmar Vaheer <ekv@erols.com>
- 15) [41082] Prefix
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 16) [41083] re. 30M signal
by Pete Burbank <plburbank@kih.net>
- 17) [41084] NC20 - AFA Fixed
by "Timothy J. Strong" <kg2no@arrl.net>
- 18) [41085] Re: Prefix
by Hank Kohl K8DD <k8dd@contesting.com>
- 19) [41086] IC socket mounting

- by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 20) [41087] 2N2/40 Article Errors
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 21) [41088] Prefix Solved
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 22) [41089] Re:List of Shortwave Stations (regen's)
by Norman Young <normany@mindspring.com>
- 23) [41090] RE: New Kit:Fort Smith QRP Club
by Jay Bromley <w5jay@alltel.net>
- 24) [41091] Re: NC20 - AFA Fixed
by Phil Wheeler <w7ox@mindspring.com>
- 25) [41092] [Fwd: QRP and Condx. Thanks to N0HJ/7!!!]
by "john a. evans" <jaevens@codenet.net>
- 26) [41093] Re: Prefix
by wa8rxi@juno.com
- 27) [41094] Re: mobile setup
by "Dave Fifield" <fifield@pacbell.net>
- 28) [41095] IC Sockets
by Pete Burbank <plburbank@kih.net>
- 29) [41096] Re: Mobile setup
by "Tom Samples KB0YZY" <tomsa@birch.net>
- 30) [41097] Re: Source for Gel Cell Batteries
by Jim <w7ls@blarg.net>
- 31) [41098] Re: mobile setup
by "Dave Fifield" <fifield@pacbell.net>
- 32) [41099] Re: HP Manual Site
by Jay Bromley <w5jay@alltel.net>
- 33) [41100] Re: mobile setup
by "Radman" <radman@best.com>
- 34) [41101] Re: Mate this to that/AKA the Coax is Too Short
by George Gingell <k3tks@u1.abs.net>
- 35) [41102] Gel Cells Where to buy
by George Gingell <k3tks@u1.abs.net>
- 36) [41103] Re: IC socket mounting
by Stewart Bryant <stewart.bryant@virgin.net>
- 37) [41104] Re: Sprat 99
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 38) [41105] Looking for transmitter project
by Mike Martin <mmartin@netins.net>
- 39) [41106] Re: Sprat 99 - whoops!!
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 40) [41107] Callsign change
by mwattcpa@earthlink.net (Marty Watt)
- 41) [41108] Re: mobile setup
by david fouchey <dafouchey@home.com>
- 42) [41109] Re: loop formula
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 43) [41110] Great Solar System for Backpacking.

- by "Ron Polityka" <wb3aal@talon.net>
- 44) [41111] Re: Great Solar System for Backpacking.
by david fouchey <dafouchey@home.com>
- 45) [41112] Re: Linux (not QRP)
by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
- 46) [41113] The non-technical rewards of QRP & Ham radio, PART 2
by "Rod Cercone" <rlc@fii.com>
- 47) [41114] The non-technical rewards of QRP & Ham radio
by "Rod Cercone" <rlc@fii.com>
- 48) [41115] 2nd Annual TAC Contest (Long)
by "Ron Polityka" <wb3aal@talon.net>
- 49) [41116] HamComm
by Jerry Parker <jparker@fix.net>
- 50) [41117] Mobile fever
by "Terry Bassett" <mutabut@net66.com>
- 51) [41118] TS-50
by Walter Amos <waltk8cv@mpdr0.detroit.mi.ameritech.net>
- 52) [41119] Glacier/Waterton Hamfest-QRP-
by Bruce Ratray <ratray@gpfn.sk.ca>
- 53) [41120] Snagged N0HJ/7 in WY at 13:10
by sda <sda@bellsouth.net>
- 54) [41121] Re: The non-technical rewards of QRP & Ham radio, PART 2
by Roger Hightower <n7kt@earthlink.net>
- 55) [41122] Parallel Lines (was Re: loop formula)
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
- 56) [41123] Re: Linux (not QRP)
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
- 57) [41124] Re: The non-technical rewards of QRP & Ham radio, PART 2
by "Rod Cercone" <rlc@fii.com>
- 58) [41125] Solar Link Page
by "Ron Polityka" <wb3aal@talon.net>
- 59) [41126] Source for Gel Cell Batteries
by "Terry Bassett" <mutabut@net66.com>
- 60) [41127] Re: Hamsticks
by Larry Cahoon <wd3p@juno.com>
- 61) [41128] FS Heath/Zenith HW 2XL
by charles cole <chas_c@usa.net>
- 62) [41129] Re: Great Solar System for Backpacking.
by Jim <w7ls@blarg.net>
- 63) [41130] ICs & PADS
by mjfitz@uswest.net
- 64) [41131] Re: Great Solar System for Backpacking.
by Jeff Davis <jeff@jehosopha.com>
- 65) [41132] Solar panel prices
by Jim <w7ls@blarg.net>
- 66) [41133] Re: Parallel Lines (was Re: loop formula)
by "Ken Hanks" <kennfd@snet.net>
- 67) [41134] Regen Radio

by "Francis Callahan" <colcal@srv.net>
68) [41135] Re:Valor vs Hamsticks
by AF5Uqrp@aol.com
69) [41136] Fw: Re: Hamsticks
by william h ross <k6mgo@juno.com>
70) [41137] Re: Long Shot for K2 fun...
by Wayne Burdick <n6kr@elecraft.com>
71) [41138] Re: Parallel Lines and Coax Lines (a bit long)
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
72) [41139] MFJ 10M SSB radio.
by "Vincent Ferme" <vferme@sprint.ca>
73) [41140] MicroSim/OrCAD Spice.
by "Vincent Ferme" <vferme@sprint.ca>
74) [41141] Trade OHR-500/ DD-1
by "Kelly Ellison" <kelman@dialnet.net>
75) [41142] A good experimenter's book.
by "Vincent Ferme" <vferme@sprint.ca>
76) [41143] Re: Hamsticks
by "Kory Hamzeh" <kory@avatar.com>
77) [41144] CB to 10, Uniden PC122XL SSB rig
by "Steven Weber" <kd1jv@moose.ncia.net>
78) [41145] TAC Contest Correction
by "Ron Polityka" <wb3aal@talon.net>
79) [41146] FS: SWL-40+
by "Rod Cerkoney" <rcw@frii.com>
80) [41147] FS: Ten-Tec Scout 555, Price reduced !
by "Ken & Linda Burrough" <ne0c@1st.net>
81) [41148] wa3jpg de wb0gaz
by David Feldman <dgif@netcom.com>

Date: Fri, 21 May 1999 18:09:15 -0500
From: Jim Ek <JIM-EK@worldnet.att.net>
To: "'Low Power Amateur Radio'" <qrp-l@Lehigh.EDU>
Subject: [41068] Record for speed.
Message-ID: <01BEA3B5.207B1D60@133.chicago-07.il.dial-access.att.net>

I am in the process of learning Morse Code. What I do is pick up the speed of the words per minute on the program "MorseCat" that I am using to learn the code.

Anyhow when I get up to about 50 wpm (I only know 3 letters at this time). I can't really hear a difference between a couple of them.

That got me to thinking.

Question: Is there a world record established for sending and receiving

code? If there is, I would like to know what it is!

Thanks,
Jim

P.S. at the rate I'm learning code, I should be able to pass the 5 wpm test in about a year.

Date: Fri, 21 May 1999 16:21:28 -0700 (PDT)
From: Alan Adelman <aadelma@yahoo.com>
To: qrp-l@Lehigh.edu
Subject: [41069] Thanks to all for the WARC band advice
Message-ID: <19990521232128.14993.rocketmail@web122.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks for all of the very enthusiastic advice from the WARC band users out there. It looks like I'll be on the lookout for a 30M rig...

-- Alan, wb2erj

===

Alan Adelman
San Francisco, CA

Do You Yahoo!?
Free instant messaging and more at <http://messenger.yahoo.com>

Date: Fri, 21 May 1999 18:49:27 -0500
From: Randy and Cara Randall <crrandal@seidata.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41070] Re: Source for Gel Cell Batteries
Message-ID: <3745F107.29718B5D@seidata.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The Power Wheel batteries are gel cell, 6 Volt 12 Ah with a 30 A blade fuse in the top. The kids car has one made by Yausa (Taiwan)s.p.? and one by Power Sonic (Mexico). The thing you have to wonder is how old they are! Walmart sells them too and they may be fresher there and I think cheaper to boot!

Randy KB8AS0

This message comes to you from Milan, IN, USA. Home of no traffic lights, lots of fields, and clean air!

wd8civ@att.net wrote:

> Larry,
>
> Have you considered Toys 'R Us? The sealed batteries they
> sell for electric cars (the kid-sized ones, Power Wheels
> or whatever brand) are pretty hefty. I don't know if
> they're actually gelled electrolyte or just sealed wet
> cells, but they're definitely maintenance-free (or
> "maintenance-impossible" as a friend of mine calls it).
>
> They also have various NiCd battery packs for RC cars.
>
> --
> Dave Hinerman WD8CIV
> > I am looking for a source for Gel Cell Batteries for my portable QRP xcvr.
> >
> > Thanks and 73,
> > --Larry

--

Date: Fri, 21 May 1999 20:02:25 -0400
From: "Richard Brummer" <obvious@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [41071] Re: Record for speed.
Message-ID: <010601bea3e6\$6143ee40\$d605b3d8@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim,

This might require some discipline on your part, but don't play around with the high speed CW when you're trying to get the basic sounds of the characters down.

- Learn each character by its sound, and not "dots" and "dashes."
- Start copying at 5 wpm
- When you feel you're solid at about 5 wpm, start copying "ahead," at 7-1/2 and 10 wpm
- Then work your way "up the ladder" - when you're solid at 7-1/2, copy ahead at 10 and 13.

It won't happen overnight, but you'll get there. Look at it as learning a foreign language -- that's just about what it is.

Good luck and 73,
Dick K2REB

Date: Fri, 21 May 1999 18:04:33 CDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [41072] 30 m signal near 10.105
Message-ID: <19990521.180957.6375.0.N5IB@juno.com>

its 0000Z and for the past 3 or 4 hours, at least, there's been an unusual (at least to me) signal near 10.105 MHz..... short bursts of what must be digital data at about a 2 Hz rep rate..... wipes out about a third of the range on my 38 Special.... any clues?

72
Jim N5IB

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 21 May 1999 20:28:40 -0400
From: john <johnmb@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [41073] QRP 5-oh
Message-ID: <3.0.3.32.19990521202840.00c72ba4@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm using my MFJ 9020 QRP, or FT7B (QRO) in my Mustang
GT to hustler whips mounted on a little trailer hitch looking thing that
extends out from under the rear skirt. Works far better than it should!
Best
/John

+-----
| John Brewer- WB50AU/4
| AMI #24 Vintage Radio Website
| <http://www.mindspring.com/~johnmb/>
+-----

Date: Fri, 21 May 1999 20:45:32 -0400
From: "The one and only!" <mitch96@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41074] This to that adapter
Message-ID: <3745FE2C.C2D04B80@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my coaxially challenged question. Lots of
good ideas.

- #1. replace short coax with proper length continuous run coax.
- #2. pl259 with proper insulation.
- #3. wire nuts with proper insulation
- #4. solder it, tape it, cover it,
- #5. if swr goes up in wet conditions, refer to #1.

--
mitch Ww4mL
Hollywood, Fla.

Date: Sat, 22 May 1999 00:53:23 -0000

From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <mwattcpa@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41075] RE: Hamsticks, etc.
Message-ID: <001801bea3ed\$7e2e6920\$0100000a@accurate-main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In theory this may be correct. In practice, adding a 6" piece of wire to the top brings resonance down to 7.020, on my installation.

Thus, it stands to reason that if they had made the whip 6" longer, A CW aficionado could use the antenna "out of the box" whereas a SSB op would have to trim the whip accordingly.

Maybe *that*, is the problem. Perhaps too much to expect from a SSB operator? Ouch!! (It's a joke!)

Roger KD6CC

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU
[mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
Marty Watt
Sent: Friday, May 21, 1999 3:28 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Hamsticks, etc.

On Fri, 21 May 1999 10:52:49 -0400, "Franco, Nicholas J" <franco@bnl.gov> wrote:

>However, I agree with a previous post
>that if the sell a 40m Hamstick you should be able, without modification, to
>get to resonate from 7.000 to the top of the band. I'm not sure if I even
>understand the capacitor mod, but the measurements proved that the cap did
>lower the SWR.

Remember that the bandwidth of a hamstick is probably 50 kHz (2:1 SWR points)

on 40 meters. This means that the antenna would have to cover six band segments in order to provide full coverage. At 40m, this makes for different coil values. You can't change the values enough using only a whip given the length restrictions. You already have a compromise -- the coil is the same as using an inductor in a tuner. Add a variable cap (rather than a fixed value) and you complete the "tuner side" of the package.

Perhaps the antenna gurus will correct my mistakes, but I suspect a six ft. whip would not provide enough room to cover all the necessary band segments with only one coil. It's a mechanical vs. resonance trade.

The cap shouldn't degrade performance, though. You are already working with a very low feedpoint impedance, made resonant to a 50ohm impedance with the coil on the lower part of the hamstick.

--

72 es 73 de Marty, KM7W

Memphis, Tennessee

<http://home.earthlink.net/~mwattcpa>

VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP
#098 -- Grid EM55ce

CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road
with a Vengeance"

Member -- Tennessee Contest Group

Date: Fri, 21 May 1999 21:22:37 EDT

From: K2UD@aol.com

To: qrp-l@lehigh.edu

Subject: [41076] Re: mobile setup

Message-ID: <c8711ad1.247760dd@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Yeah Dave, I gotta justa wonna question. Did this Caddy hit the road before the NC-20 or after da NC-20?

With all due apologies to all I's,

Howard Kraus, K2UD

Date: Fri, 21 May 1999 20:34:05 -0500
From: George F Franklin <w0av@juno.com>
To: w7ox@mindspring.com
Cc: w0av@juno.com, qrp-1@Lehigh.EDU
Subject: [41077] Re: Speaking of Mobile!
Message-ID: <19990521.203406.-90363.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Phil

Gee, I dunno cuz I don't have an AT50; sorry I can't be of assistance.

72 de George/W0AV
n

Date: Fri, 21 May 1999 21:45:37 -0400
From: Duffer <hduff@ica.net>
To: qrp-1@lehigh.edu
Subject: [41078] Want: SWL GM-40
Message-ID: <1.5.4.16.19990521214521.33efc4b4@ica.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone have a working Green Mountain-40
(Small Wonder Labs) that they would like to sell ?

Please reply to: hduff@ica.net

Date: Fri, 21 May 1999 19:01:13 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-1@lehigh.edu>

Subject: [41079] Re: Hamsticks, etc.
Message-ID: <3745AD79.D20B09B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The last time I ordered Hamsticks (40M) I specified I wanted them for CW, and was sent Hamsticks with longer stingers. No "tail" required.

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Fri, 21 May 1999 22:10:33 EDT
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Cc: jaevans@codenet.net
Subject: [41080] QRP and Condx. Thanks to N0HJ/7!!!
Message-ID: <dfd7f60a.24776c19@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What is that raspy broadbanded noise sliding up 20m tonight? Regular QRN was S7 or so here, That stuff would come and go and seemed to move up in freq. Rough! However....

John, N0HJ had been announcing that he would be operating portable from a park while on a business trip to Wyoming. I've set two different days with him and had to miss 'em because of work. I was planning to shoot for him again Saturday (tomorrow). I hooked up the NC20 tonight waiting on the family to get home, and worked Joe, SP8BAB while it drifted warm. Joe gave me 569 with QSB. Then I moved up to 14.060 and heard John in a QSO with WB0WQS Kelly??. Static from the FL storms S7. SO I went for it. He QRZed me once and got me the second time through a tuner-upper, two QRL?s, somebody testing out a keyer, the raspy noise I mentioned above, and gave my 3 watts from FL a 459. He was 559 solid copy. What a terrific op to hang with me through THAT!

Thanks John!

-MAC-
KF4KSM

Date: Fri, 21 May 1999 22:18:48 -0400
From: Elmar Vaheer <ekv@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [41081] Another NC20 AFA problem
Message-ID: <37461408.5C82D3BE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,
I am another late starter on this kit. I have gotten up until section 10 all checks out OK. My AFA will not announce the frequency cant hear a thing.
Checked U10
Pin 1 4.9V
Pin 2 2.13V
Pin 3 2.14V
Pin 4 0, press sw2 4.9V
all ok so far but now the variance.
Pin 5 1.79V
Pin 6 1.79 V where it should read around .3 according to troubleshooting guide.
I am also getting a 100 kHz sine wave at pins 2,3
Q22, Q23, Q1 seem to check out ok. At the base of Q22 I am also getting a square wave. Not sure if that is significant.
I also checked and double checked the components and values for section 10 AFA.

Any suggestions on how to proceed and what to check next?

Thanks
Elmar K2EL
ekv@erols.com

Date: Sat, 22 May 1999 02:38:32 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [41082] Prefix
Message-ID: <000701bea3f3\$ecab9200\$cd42b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK, I just worked a UX0. Anybody know what former Soviet Republic State
this prefix is for?
Steve Sorrell, W8SFF

Date: Fri, 21 May 1999 22:41:47 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [41083] re. 30M signal
Message-ID: <3.0.32.19990521224133.006856b4@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jim N5IB,
That signal is here in the Bluegrass too....about 10 over 9 and
5 Kc wide. I think it's a locator pulse from a UFO looking for a
Taco Bell.
72/73/88
Pete NV4V

Date: Fri, 21 May 1999 22:45:04 -0400
From: "Timothy J. Strong" <kg2no@arrl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [41084] NC20 - AFA Fixed
Message-ID: <37461A30.3DAE00DD@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks Everyone!

I fixed my AFA problem where I could barely hear the AFA tones.
Turned out that I missed installing R93. Upto Section 12 now
and everything works! Cool!!

73,

--

-Tim
tstrong@nortelnetworks.com

```

                                KG2N0
-----  ____o      Timothy J Strong      o____
-----  '\-<,      Nortel Networks      ,>-/'
-----  (*)/'(*)    97 Humboldt Street    (*)'\(*)
-----  -----    Rochester, NY 14629    -o---o-o-
-----  Summer -----  ORP-L #780 -----  Winter -----

```

Date: Fri, 21 May 1999 22:55:07 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: ap036@detroit.freenet.org
Cc: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: [41085] Re: Prefix
Message-ID: <4.1.19990521225440.01530e50@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

```
At 02:38 AM 5/22/99 +0100, Steve Sorrell wrote:
>OK, I just worked a UX0.  Anybody know what former Soviet Republic State
>this prefix is for?
>Steve Sorrell, W8SFF
>
```

EN,EO,U5,UR,US,UT,UU,UV,UW,UX,UY,UZ Ukraine-EM

73 Hank K8DD

```

*/      Hank Kohl   K8DD           k8dd@arrl.net
*/      ARRL TS           http://www.tir.com/~k8dd
*/      MI-QRP - Vice Pres.  QRP-ARCI - Director
*/      G-ORP      ARRL/LM      QCWA/LM      QCAO/LM

```

Date: Fri, 21 May 1999 22:59:25 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: qrp-l@lehigh.edu
Subject: [41086] IC socket mounting
Message-ID: <3.0.1.32.19990521225925.006da808@mail49.cwix.com>
MIME-version: 1.0

Content-type: text/plain; charset="us-ascii"

Gang....I've had several inquiries regarding mounting IC sockets when using Manhattan Style construction. I've created a series of pictures showing how I do that task. They can be seen at: <http://members.tripod.com/k8iqy/>

I also updated the main page with some new information.

72 and happy building.....Jim, K8IQY

Date: Fri, 21 May 1999 23:04:26 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: qrp-l@lehigh.edu
Subject: [41087] 2N2/40 Article Errors
Message-ID: <3.0.1.32.19990521230426.006da808@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Gang.....some additional errors have been reported in the QRPP article on the 2N2/40. I'm in the process of compiling those, and will repost a complete report to the list as soon as I have that job done.

Sorry for the inconvenience, but those kind of things happen when everything is done via the internet, and over a period of 6 months. The corrections will also be on the NorCal web page, and my web page.

72 and happy building.....Jim, K8IQY

Date: Sat, 22 May 1999 03:17:32 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [41088] Prefix Solved
Message-ID: <003f01bea3f9\$40699cc0\$cd42b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who replied, its Ukraine.

72 de

Steve Sorrell, W8SFF

Date: Fri, 21 May 1999 23:25:08 -0400
From: Norman Young <normany@mindspring.com>
To: qrp-l@lehigh.edu
Subject: [41089] Re:List of Shortwave Stations (regen's)
Message-ID: <1.5.4.16.19990522032508.21a7390a@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Sun, 16 May 1999 22:39:57 -0600 (MDT)
>From: "Paul Harden, NA5N" <na5n@rt66.com>
>To: qrp-l@lehigh.edu
>Subject: [40605] List of Shortwave Stations (regen's)
>Message-ID: <Pine.SUN.4.10.9905162112060.3078-1000000@shell.rt66.com>
>MIME-Version: 1.0
>Content-Type: TEXT/PLAIN; charset=US-ASCII
>
><snip>
>
>72, Paul NA5N
>WPE0DRZ ... anyone else got a WPE call?
>Years ago, like in the 1960's, POPULAR ELECTRONICS issued call letters
>to shortwave listeners, which were used for years and carried some
>measure of "clout" when submitting reception reports for QSL cards.
>

Had to catch up reading almost a weeks worth of digests, but I certainly enjoyed this thread!

As a 7th grader in 1968, I found myself going to Sunday dinner with my parents at the home of a couple with no kids, and I was sure the day was going to be a total loss! I was quite surprised to have my first introduction to radio that afternoon, first via a CB radio (I thought it was ham), and later by a homebrew SW receiver. That afternoon lit a fire that has burned ever since.

My new found adult friend loaned me that little homebrew receiver, and I began buying copies of Popular Electronics, where I first learned of the monitoring callsign. Before long I was WPE4JKZ, a short time later, I added KDT1617. Because there weren't any Elmers nearby, it was a few years later before I got my novice ticket.

Although my interest in electronics didn't lead to a career (other than a field radio repair MOS in the Army), it fueled a science teaching career, and later on a legal one.

Just recently, I have brushed the dust off of my Sony SW receiver and have begun SWLing again. Never been a better time for it with so much info on many of the foreign broadcasters on the net.

Not to mention that there are so many domestic SW broadcasters out there telling me how to survive the coming crisis and/or collapse of the day...

72,
Norman

Norman Young <><
KA4PUV
Zebulon, NC

Date: Fri, 21 May 1999 22:29:25 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41090] RE: New Kit:Fort Smith QRP Club
Message-ID: <37462495.2CCAC59A@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys here it is, the announcement that the whole world has been waiting for. Drum Roll, TAT TAT TAT AT ATA TAT. Presenting the first kit ever from the Ft. Smith QRP Group.

At the Fort Smith QRP Forum this past March, the subject came up about how to fund next years QRP Forum. Doug and Chuck came up with the idea of producing an inexpensive kit that will be a useful tool in any shack.

So enter the VE3DNL Marker/Generator. This is a great kit for the beginner because of the single sided board, low parts count, and ease of construction. It won't break you up on price either. I built mine in about 10 minutes. It has outputs for 5khz, 10khz, 20khz, and 40khz and

runs on a 9 volt battery. The size of the circuit board is a little over one and a half inches square. It is a handy device for calibrating dial linearity and as a crystal calibrator for older non AFA rigs. I use mine mainly for a signal generator for peaking up my receivers.

Even though I have a MFJ-259 and a general coverage transmit rice box, the VE3DNL Marker/Generator is easier to use. I have a wire on the 5khz output and if I need more attenuation I use the poor man's attenuator (I move it away from the rig I am tuning). I looked at the output on a scope and it makes some very nice square waves. If you have access to some precision test equipment you could make a nice scope calibrator out of it. Put it in a small shirt pocket size box, it would be a great tool to use to check out those hamfest bargain receivers before you plunk down that hard earned cash. I am sure there are countless uses for this device. If you come up with a novel idea on using the VE3DNL Marker/Generator please share it with the group.

I would like to thank the following: Glenn Leinweber, VE3DNL, for the clever circuit, Chuck Adams and Doug Hendricks for donating most of the parts, without their donations this kit would not have gotten off the ground. Chuck Adams wrote a very nice article/manual for the VE3DNL Marker/Generator which will be included with the kit.

Price for the VE3DNL Marker/Generator is \$10.00 plus \$2.00 shipping and handling. The kit consists of single sided, silk screened board, all board mounted parts, and an assembly manual written by Chuck Adams, K5FO. All that you need to add is a 9V battery and a case if you want one. To reserve a kit send me an e-mail with your address on it so I can print it out and use it as a label. This will speed up the delivery time. Make your checks payable to Jay Bromley and send to the following address:

Jay Bromley W5JAY
9505 Bryn Mawr Circle
Fort Smith, AR 72908-9276

I have 90 kits ready for mailing and another 100 in the works. So don't delay! I will try to get all of them out before HamCom. If you're going to attend HamCom and want me to deliver yours there, I can do this on a first come first served basis. All funds generated by this project will be used to fund the Ft. Smith QRP Forum next year.

Doug is slightly off count on our donations to HamCom. We will be donating three VE3DNL kits. Thanks and 73 de w5jay..

Date: Fri, 21 May 1999 20:34:13 -0700

From: Phil Wheeler <w7ox@mindspring.com>
To: kg2no@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41091] Re: NC20 - AFA Fixed
Message-ID: <374625B5.DE032F2@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Easy to do. I built a rig that would not RX .. missed one solder point in the TR ckt.

Phil

"Timothy J. Strong" wrote:

>
> Thanks Everyone!
>
> I fixed my AFA problem where I could barely hear the AFA tones.
> Turned out that I missed installing R93. Upto Section 12 now
> and everything works! Cool!!
>
> 73,
>
> --
>
> -Tim
> tstrong@nortelnetworks.com
>
> -----
>
> KG2NO
> ----- o Timothy J Strong o____
> ----- \-<, Nortel Networks ,>-/'
> ----- (*)/'(*) 97 Humboldt Street (*)\'(*)
> ----- Rochester, NY 14629 --o---o-o-
> ----- Summer ----- QRP-L #780 ----- Winter -----

Date: Fri, 21 May 1999 21:36:15 -0600
From: "john a. evans" <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [41092] [Fwd: QRP and Condx. Thanks to N0HJ/7!!!]
Message-ID: <3746262E.5FE07EA9@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Good evening folks,

Making contact with folks who need/want a rare state for QRP or FISTS makes the effort all worth the while. Murphy seemed to rear his head during my QSO with Mac, but I knew I could hear him and work thru the mess given a little time. If I have learned anything, it is that conditions can come back and QRM can go away if you give it a little time. I had the added QRM from what seemed like a pack of Girls Scouts coming from a swimming party who, upon finding the picnic table occupied, parked in the grass not ten feet away and began singing songs and playing yelling games. Now, I could handle all this with patience along with band conditions, but what happened next told me that things add up - my right hearing aid battery died, forcing me to focus with my left ear only. I couldn't believe it, but just had to grin !!!!

But we made it, both parties are happy, and I am getting ready to hit the sack so I can get up tomorrow morning and do it again, hopefully with better (at least different) conditions.

Oh, yes, the SST-20 and SLX performed admirably.

72 all - john - n0hj/7

Date: Sat, 22 May 1999 03:50:03 -0400
From: wa8rxi@juno.com
To: ap036@detroit.freenet.org
Cc: qrp-1@Lehigh.EDU
Subject: [41093] Re: Prefix
Message-ID: <19990522.035057.-141019.1.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve,
This looks like a call for Ukraine.
I have a list that I initially got from a Packet Cluster long ago.

And, just recently went to yahoo.com and searched for UA4CIF
"Territories, prefixes and suffixes of the ex-USSR..."
The first letter of the suffix can identify what oblast (city?) it is...
Hope this is helpful.

72<>Rick - WA8RXI Taylor, MI.
Blue, Orange, Green, Brown, Slate!
White, Red, Black, Yellow, Violet, Mate!

=====

On Sat, 22 May 1999 02:38:32 +0100 "Steve Sorrell"

<ap036@detroit.freenet.org> writes:

>OK, I just worked a UX0. Anybody know what former Soviet Republic
>State
>this prefix is for?
>Steve Sorrell, W8SFF
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 21 May 1999 21:53:53 -0700
From: "Dave Fifiel" <fifiel@pacbell.net>
To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41094] Re: mobile setup
Message-ID: <009601bea40f\$1784dac0\$0db865d8@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Abowda yeeah before da NC20. You gotta problem widat?

Dave F.
AD6A

> Yeah Dave, I gotta justa wanna question. Did this Caddy hit the road before
> the NC-20 or after da NC-20?
>
> With all due apologies to all I's,
>
> Howard Kraus, K2UD

Date: Sat, 22 May 1999 00:57:42 -0400

From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [41095] IC Sockets
Message-ID: <3.0.32.19990522005739.006b1234@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,
FWIW...a couple years ago when doing Medical one-shot boards I discovered a U-shaped top mount gold plated socket that you could either solder to or wire wrap. The leads from the socket were not thru the board but U shaped. You simply affixed the socket to a ground plane (such as Vector board) and worked from the top side. Flipping boards drives me nuts (must be an IQ test) and the sockets made it so easy to avoid that. The sockets were made by Robinson-Nugent in Indiana and were expensive but very high quality and well worth the \$\$\$\$\$. I don't know if they still make them but maybe someone out there knows. If they are no longer in production maybe we could persuade them to dust off their old dies and do a small run for the hams. These sockets REALLY speeded up my prototype/one-shot work!!! Quick but super reliable.
72/73/88
Pete NV4V

Date: Sat, 22 May 1999 00:08:54 -0500
From: "Tom Samples KB0YZY" <tomsa@birch.net>
To: <qrp-1@Lehigh.EDU>
Subject: [41096] Re: Mobile setup
Message-ID: <199905220502.AAA26444@tango.birch.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a HTX100 mounted under dash passenger side in a 1998 Isuzu Amigo. I ran the power direct to battery, fusing both connections. Power cable is heavy DC Red/Black zip line, that was run through the shield braid from some rg8 coax. This was covered with the spiral wrap before being run from the battery to a connector block under the center console. The shield braid was grounded at the frame same location batter frame ground. Not fused. Shield not grounded in passenger compartment. Radios hook up to power at connector block under center console. I also have installed a maxon compact CB under center console, this model has all controls on microphone. Both radios share same antenna through a MFJ two position coax antenna selector mounted under front drivers seat. The antenna is a Francis Hot Rod, a double quarter wave antenna. This is a fiberglass flex

antenna that is a half wavelength end fed. This is mounted on a 4" chrome strap bolted to the rear tire carrier frame on rear tail gate. I ran a short piece of rg8 shield braid from the mounting bracket to the frame, the tire hides this for a clean looking setup. The metal wheel is about even with the feed point and doesn't seem to affect it adversely. The antenna instructions say you must use a certain length of rg59 coax to match this antenna for specific installations. My swr was about 2:1 across the 11meter and 10 meter band, very wide. After adding the short grounding strap to the mount the swr went to 1:1 all the way across both 11 and 10 meters. I can remove the hot rod stick and replace with a short 3' CB style antenna when I need to work just local or put in garage. I've tried also with a 102" ss whip from Radio Shack, works OK. I spent lots time experimenting with different antennas, the end fed half wavelength Francis Hot Rod comes in 4-7 foot models. The end fed ideal came to me from an article in the CQrp journal last year on end fed antennas. I've got my first DX qrp with this set up, 5 watts SSB, mobil from VE6JAZ in Calgary Canada.

Date: Fri, 21 May 1999 22:07:25 -0700
From: Jim <w7ls@blarg.net>
To: kq6xy@golldrush.com, qrp-l@lehigh.edu
Subject: [41097] Re: Source for Gel Cell Batteries
Message-ID: <37463B8D.61C731BE@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi. I suggest the local hospital. Ask for the biomedical repair dept. They routinely change gel cells out of life sensitive equipment, before they go bad. They should be happy to give them to you.

Jim W7LS

KQ6XY wrote:

> I am looking for a source for Gel Cell Batteries for my portable QRP xcvr.
>
> Thanks and 73,
> --Larry
>
> -----
> <http://www.tusoni.com> kq6xy@golldrush.com
> "Cross country skiing is great if you live in a small
> country." - Steve Wright

Date: Fri, 21 May 1999 22:23:25 -0700
From: "Dave Fifield" <fifield@pacbell.net>
To: <w5yr@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [41098] Re: mobile setup
Message-ID: <010a01bea413\$3db41ae0\$0db865d8@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

George,

Mine's an STS. The radio is separated (using the Yaesu kit). The head mounts on a cell phone gooseneck stand mounted to the side of the center tunnel (passenger side). I had to make a right angle bracket from some pieces of scrap black acrylic sheet to mount the radio head on (thanks to Bill Jones's encouragement, I now find MANY uses for quick, simple plastic doodads). The body of the FT100 is fitted to the underside of the rear parcel shelf in the trunk, between the Bose speakers. The antenna mounts on the side of the trunk lid using a Diamond TLM kit. It's pretty sturdy. I angled the antenna very slightly so that it doesn't hit the car when you pop the trunk! BTW, I drilled and tapped a hole through the base of the antenna and fitted a small grub screw (that's the English name - don't know what the US equiv. is!) to deter casual theft of the antenna. I also bought a Yaesu Vertex speaker - the audio output of the FT100 is a little on the low side IMHO, but the Vertex speaker is efficient and is plenty loud enough. The speaker sits in the center of the car perched between driver and passenger - not a permanent fix, but okay for now. Hope this helps.

72, Dave Fifield, AD6A

From: George T. Baker <w5yr@swbell.net>

> Dave, where did you mount the radio and the antenna on your Cad? I don't
> see anyplace at all on my '97 DeVille . . .

Date: Sat, 22 May 1999 00:21:24 -0500
From: Jay Bromley <w5jay@alltel.net>
To: ae4ic@nr.infi.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [41099] Re: HP Manual Site

Message-ID: <37463ED4.22F76268@alltel.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Bob,

Try this site I heard Gary, W7FG, took over the vintage HP manuals.

<http://www.w7fg.com/>

73 de w5jay..

Bob Kellogg wrote:

>

> Guys,

>

> I returned from Dayton with some old HP test equipment (heh, heh, I

> *love* test equipment)

>

> Am I dreaming, or did someone post a Website that had old HP manuals on

> it?

>

> I suppose the HP Website has current info, but these instruments are 20

> or 30 years old. I'm looking for info on the HP 400E AC Voltmeter and

> the HP 651A Test Oscillator.

>

> Any help pointing me to technical information on these instruments will

> be appreciated.

>

> Rest assured, this stuff will be used to test QRP circuits!

>

> CUL,

> Bob Kellogg, AE4IC, Greensboro, NC

> Prolably, not Nececelery, - Benny Hill

Date: Fri, 21 May 1999 23:08:42 -0700

From: "Radman" <radman@best.com>

To: <fifiield@pacbell.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [41100] Re: mobile setup

Message-ID: <199905220606.XAA02585@proxy4.ba.best.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Dave,

Sounds like an elegant mobile installation in your Caddie... :)) BTW, the UK "grub screw" is the equivalent of the US "setscrew." Typically, a small headless, hex-driven screw -- same sort of screw used to secure the top "stinger" many US-made mobile antennae...

Gud DX es 72,

Conrad - NN6CW

///snip///

BTW, I drilled and tapped a hole through the base of the antenna and fitted a small grub screw (that's the English name - don't know what the US equiv. is!) to deter casual theft of the antenna. I also bought a Yaesu Vertex speaker - ///snip///

72, Dave Fifield, AD6A

Date: Sat, 22 May 1999 02:44:31 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: Mitch <mitch96@pobox.com>
Subject: [41101] Re: Mate this to that/AKA the Coax is Too Short
Message-ID: <Pine.BSI.3.96.990522023241.20206A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mitch,

I would recommend that you Put PL259's on the Ends of the Cables and use a Double Female Adapter (Splice). I also like the idea of using heat shrink over the assembled connection to keep it dry. A couple of layers of black tape works nicely as well.

The added feature of this method is two fold, First it allows you to use the existing antenna as an outdoor portable setup. Just un-hook the splice and plug the coax into the rig at the picnic table and you are on the air.

Great for Springtime backyard adventures.

It is also handy if you use a loop antenna and want a neat connection for your RG11 "Q section" (Matching Transition section).

It was also a handy connection point to the underground feed to the Vertical when it was alive. Storm damage to base so I gave it to some kids who wanted to bring it back to life.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.

Date: Sat, 22 May 1999 02:51:29 -0400 (EDT)
From: George Gingell <k3tk@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [41102] Gel Cells Where to buy
Message-ID: <Pine.BSI.3.96.990522024446.20206B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For the persons looking for Gel Cell Batteries for QRP Stations.

We usually have someone on the list who sells used gel cells from time to time.

If you want New Ones, I would suggest that you try calling a local Alarm Company. ADI sells them for about \$ 20-25 for 7 AHr 12V cells.

Problem is they won't sell to public. Gotta go thru the Alarm guys.

Also some Alarm Companies will sell the used cells cheaply.

Check your local Yellow pages for a Locksmith/Alarm Technician near you.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.

Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Locksmith Services

Date: Sat, 22 May 1999 08:20:57 +0100
From: Stewart Bryant <stewart.bryant@virgin.net>
To: jokortge@cwix.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41103] Re: IC socket mounting
Message-ID: <37465AD9.D1BCD4A2@virgin.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Having looked at the diagrams, couldn't you do it in a less fiddly way with a single piece of pcb material and a very fine saw?

Crop the pcb to the right size, and cut a crusifix that was right for pins 1 and 8 (on an 8 pin device). Cyno the pcb down (its a good idea to use activator to get a good joint).

Solder pins 1 and 8

Pass a fine slitting blade through the gap between the pcb and the socket, and part the copper at the right place.

I have not tried this, so maybe it will not work

Stewart G3YSX

Jim Kortge, K8IQY wrote:

> Gang....I've had several inquiries regarding mounting IC sockets when using
> Manhattan Style construction. I've created a series of pictures showing
> how I do that task. They can be seen at: <http://members.tripod.com/k8iqy/>
>
> I also updated the main page with some new information.
>
> 72 and happy building.....Jim, K8IQY

Date: Fri, 21 May 1999 23:21:23 +0100
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: <radman@best.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [41104] Re: Sprat 99
Message-ID: <000701bea428\$58fbd9e0\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi
Contact Bill Kelsey at Kanga US
e-mail kanga@bright.net.
If you are quick, you'll get the Summer issue (number 99) - and we'll mail the
Spring issue as well!

72/3
Graham
G3MFJ/W3MFJ

Date: Sat, 22 May 1999 03:06:08 -0500
From: Mike Martin <mmartin@netins.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41105] Looking for transmitter project
Message-ID: <37466570.B46DD7C0@netins.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can anyone point me to a good place on the WWW to find
a good QRP transmitter project? Thanks

72/73
--
Mike Martin
KA0AMA
<http://www.netins.net/showcase/themartins>
mmartin@netins.net
ICQ: 6647368

Date: Sat, 22 May 1999 09:08:03 +0100
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [41106] Re: Sprat 99 - whoops!!
Message-ID: <009201bea42a\$f7662200\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi
Whoops - hit the reply button too quickly for my last message. It wasn't for the
list - sorry for the bandwidth!
72/3
Graham
G3MFJ/W3MFJ

Date: Sat, 22 May 1999 09:22:48 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: tcg@k4ro.net, qrp-l@lehigh.edu, WA4NID@amsat.org, adams@ticnet.org,
wager@juno.com
Subject: [41107] Callsign change
Message-ID: <374672e1.12674255@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi folks,

Got tired of answering when I lived in 7-land (I haven't!), and changed =
the
callsign. Got one closer to home -- Memphis is in the corner of =
Tennessee
adjacent to Mississippi and Arkansas, so:

Please update your files and correspondence to reflect:

Sat May 22 05:02:34 EDT 1999
Database last updated at May 22 04:18 ET
Return to input screen
N5NW: WATT, MARTIN D (Extra, Vanity)

MARTIN D WATT, N5NW
XXXX CHAMPIONS DR APT XXX
ARLINGTON, TN XXXXX
DOB: N/A ISSUED: 05/21/99 EXPIRES: 05/21/09 CHANGED: 05/21/99 Previously:=
KM7W

Note: QRZ is still updating calls as of this hour. This is from the =
ARRL
Transaction Search, <http://www.arrl.org/fcc/fccld.html> , which appears to
update a couple of hours or so earlier in the morning.

(Yes, I know it's 4:00am. There was a thunderstorm that woke me, OK? =
I'm not
THAT obsessed with this stuff!!)

cc: Tennessee Contest Group
QRP-ARCI
NorCal
QRP-L (c/o K5F0)
CODE WARRIOR(c) #29 -- Mobile CW (c/o K1KY)

Date: Sat, 22 May 1999 07:20:40 -0400
From: david fouchey <dafouchey@home.com>
To: fifield@pacbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41108] Re: mobile setup
Message-ID: <37469308.8A072719@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What I want to know is does he have a chauffeur to drive him around in
the caddy while he ops....

Dave F.
WA4EMR/8
(Another Dave F..)

Dave Fifield wrote:

>
> Abowda yeeah before da NC20. You gotta problem widat?
>
> Dave F.

> AD6A
>
> > Yeah Dave, I gotta justa wonna question. Did this Caddy hit the road before
> > the NC-20 or after da NC-20?
> >
> > With all due apologies to all I's,
> >
> > Howard Kraus, K2UD

Date: Sat, 22 May 1999 07:42:20 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Larry B <ac5ez@webtv.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41109] Re: loop formula
Message-ID: <Pine.GS0.4.10.9905220732490.15684-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 21 May 1999, Larry B wrote:

>Came up with two formulas for a horizontal loop. One is $935/\text{fre mhz}$
>(from cq 85 article) and another $1005/\text{fre mhz}$ from w1fbs ant book which
>is a 10 foot difference. Which one should be used? Any ideas?

>K1zw

>

How long to make the perimeter of a loop depends on several factors.

1. Do I wish to make it resonant? If not, then any approximation of about 1 wl or so will work as well as any other, especially with parallel transmission line.
2. What is the shape? For example, a bare wire quad loop by itself and about 1/2 wl off the ground or more will have a length closer to $1041/f$ (MHz). If we make the loop into a high delta, length is about the same. For low band use, with the bottom closer to ground and for various rectangular shapes, the exact length may vary and likely should be modeled is resonance is a factor.
3. Where will I feed that antenna? Side fed for vertically polarized radiation, the resonant length differs from feeding the center bottom for horizontally polarized radiation.
4. Am I making a beam of 2 or more elements? Then the loop lengths require careful design to maximize the desired beam characteristics.

All wire antenna formulas are approximations at best--they are not the precision instruments that Ohm's Law is. In cases where parallel line and

an antenna tuner are used, exactness is not required, since the performance properties do not change with small differences in wire length--and the tuner handles the matching. Where resonance is required (meaning virtually no reactance at the feedpoint for use with a coax line or a balun and coax), the antenna should be designed with either a model to catch at least some of the ground effects or with a willingness to experiment until the desired condition is obtained.

Hope this is useful.

-73-

LB, W4RNL

```
L. B. Cebik, W4RNL      /\  /\      *  /  /  /  (Off)(423) 974-7215
1434 High Mesa Drive   /  \/  \/      ----/\---- (Hm) (423) 938-6335
Knoxville, Tennessee  /\  \  \  \    /  /  || /  (FAX)(423) 974-3509
37938-4443    USA      /  \  \  \      ||          cebik@utk.edu
  QRP/ARCI 2572  G-QRP 7203  CQC 125  NEQRP 347  NORCAL 1111  MIQRP 1432
  QCWA 13211  10-10 41159  FISTS 2600  NWQRP 401  scQRP 28  AK/QRP 343
  ARRL Life:  Tech. & Edu. Advisor  CW Ops QRP Club (VK) 476  ARS 411
                http://web.utk.edu/~cebik/radio.html
```

Date: Sat, 22 May 1999 08:20:15 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [41110] Great Solar System for Backpacking.
Message-ID: <001701bea44d\$736ccda0\$105445c6@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Check out this site if you like to go backpacking with batteries. Looks like it would be worth the weight to carry to charge those batteries while running QRP on the trail.

<http://www.ovonic.com/military.html>

72 & 73
Good DXing

Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

| | |
|-----------------|---------------|
| EPA QRP #1 | NJ QRP #179 |
| KL7 QRP # 309 | G-QRP # 3031 |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal # | Zombie #625 |

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Sat, 22 May 1999 08:36:40 -0400
From: david fouchey <dafouchey@home.com>
To: wb3aal@talon.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41111] Re: Great Solar System for Backpacking.
Message-ID: <3746A4D8.12C32725@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Cool setup for sure...

Dave
WA4EMR/8

Ron Polityka wrote:

>
> Check out this site if you like to go backpacking with
> batteries. Looks like it would be worth the weight to
> carry to charge those batteries while running QRP
> on the trail.
>
> <http://www.ovonic.com/military.html>
>
> 72 & 73
> Good DXing
> Ron de WB3AAL
> wb3aal@talon.net
>

> vvv Eastern Pennsylvania QRP Web Page vvv
> http://www.kpsnet.com/wb3aa1/Start_Page.htm
> Eastern Pennsylvania QRP Club Call --> N3EPA
>
> EPA QRP #1 NJ QRP #179
> KL7 QRP # 309 G-QRP # 3031
> ARCI QRP # 5318 10 - X #13173
> NorCal # Zombie #625
>
> SETI @ Home Project
> <http://setiathome.ssl.berkeley.edu>

Date: Fri, 21 May 1999 21:09:22 -0400
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [41112] Re: Linux (not QRP)
Message-ID: <000c01bea3ef\$ca6e73a0\$384b9ace@hhurst>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all to responded to my Linux Request. Last night I picked up Caldera 2.2 (\$32) -- because it also had a \$10 rebate card inside, Top Hat 6 was \$74. It was the easiest Linux install I've seen. 3 hours after beginning, I had Netscape connected to my IP -- despite my best efforts to screw up! It's curtains for Windows on this machine.

Hey, is there a Linux reflector for Hams? I took a look at the Linux news groups, but usenet is useless these days.

In the future, I'll be keeping Linux postings off QRP-L. Thanks to all for your tolerance.

Date: Sat, 22 May 1999 08:50:15 -0600
From: "Rod Cerkoney" <rlwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [41113] The non-technical rewards of QRP & Ham radio, PART 2
Message-ID: <016201bea462\$6bfac760\$4f8611d8@compaq>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks:

Several months ago I wrote about my Pied Piper project--Helping to teach new Hams and building an SWL-40+ to use as an instructional aid. I hadn't written much about it 'cause interest in HF, CW, QRP waned. Oh well they've been exposed. Anyway we have a bunch of new Hams in the area and last night was ON THE AIR NIGHT.

On the air night--I and others, taught basic repeater protocol skills, tuned & programmed several HT's and answered about a Gazillion Questions...etc. A few were at least curious about my SWL+ QRP station I had set up.

And, my one great reward, a YL (~13yrs) passed T+ & 13WPM [YYYYEEEEESSSSS]. She got on the air and called CQ near 7010! No takers. Also copied a little code from an on-going QSO. Her comment was something like, ..."WOW that was a lot harder than I thought"...! She'll be back and she'll do well. We'll stay in contact and I'll help get her set up on HF, eventually.

So if you hear Terry, KC0FVA, calling CQ one night, please give a callback and welcome here to Ham radio.

72/3 Rod, N0RC
Fort Collins, CO
arrl, qrp-l, qrp arc1, fists, norcal, cqz
da di dah

Date: Sat, 22 May 1999 08:22:47 -0600
From: "Rod Cerkoney" <rlc@frie.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [41114] The non-technical rewards of QRP & Ham radio
Message-ID: <007f01bea45e\$9849b140\$4f8611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks:

Offered with out edits or comments an email from a fellow ham.

BACKGROUND

About a month ago I worked Dave on 30m with 100mW. He thought I was using 100W. Though email and QSL card exchange he learned about the low power I was using. He was excited! So I put us both in for a 1000mi/W certificate from QRP-ARCI. When he got the award he sent me the attached email. Dave gave me permission to post it, thanks Dave. Also, he tells me that he has joined QRP-L and is getting interested in QRP work.

Rod, N0RC

From: Dave T. Chael <chael@enid.com>
To: Rod, N0RC <n0rc@arrl.net>
Cc: <radioham@erols.com>
Subject: Thanks a million!
Date: Monday, May 17, 1999 10:00 PM

Rod,

Funny you should ask! I opened my mail today, and there it was! Without a doubt, this is the very best looking award/certificate I've ever received. And thanks to you, the QRP bug is beginning to consider taking a bite! (hope it won't hurt). Thanks also to Steve N4EUK for sending me the certificate. :-)

I'm now more convinced than ever that you QRP guys are the best! Without a doubt, you're a group of truly dedicated hams, operators that "The Old Man" would be no doubt be extremely proud of. I don't know what to say, except thanks again. The certificate is really beautiful, and is a treasured memory from our brief and very enlightening QSO.

Rod, I wish you the very best of luck in your future endeavors, and I certainly hope to run into you again! Thanks also to QRP international - looks like a tremendous organization.

Very best 73s

Dave
KC5GUD

-----Original Message-----
From: Rod, N0RC <n0rc@arrl.net>
To: Dave T. Chael <chael@enid.com>

Date: Saturday, May 15, 1999 11:26 PM
Subject: Our April QSO

>Hi Dave!
>
>About a month ago we had a QSO o 30m, with me running 100mW. Well, a QRP
>club I belong to offer awards for contacts greater than 1000mi/Watt. Our
QSO
>worked out to 4790mi/Watt. So I put us in for award certificate, I got mine
>today 5/15--if you haven't got your yet, you will soon.
>
>The organization I speak of is QRP-ARCI, web site at www.qrp-arci.org.
>
>TNX AGN FOR FB QSO HPE TO CU AGN, MAYBE QRP!
>
>Oh, one more thing, go ahead & brag a bit, not all ops will stick with a
>100mW pip-squeak sig! ;-) UR A1 OP IN MY LOG.
>
>Enjoy.
>
>---
>72/3 Rod, NØRC
>Fort Collins, CO
>arrl, qrp-l, qrp arci, fists, norcal, cqg
>da di dah
>
>

Date: Sat, 22 May 1999 11:41:50 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [41115] 2nd Annual TAC Contest (Long)
Message-ID: <001b01bea469\$9c445d80\$655445c6@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

TAC QRP Contest

Announcing the second annual TAC Contest.
Sponsored by: The Eastern PA QRP Club (Rev 1.0)

Tired of trying to work those rare grid squares? Having a tough time trying to get a new state because that last state has only 15,000 people and only 2 are hams? Are you a 6-land ham and think no one needs another CA station?

Here is a contest where the multipliers are where the people are!!

The Second Annual QRP TACTical Contest!!

This contest is based on the TAC principle. The thought came to me that there has to be a better multiplier other than state or ARRL section. I found one that already exists and changes with the population. It's the Telephone Area Code (TAC)!

Yes, you who are in CA, how many area codes are there?

Why even here in PA we have at least 5 of them. There are only 2 ARRL sections in this state.

Also, this contest marries the acronym TAC with the word tactical, which in Ham's language means "Field" or "Portable". This will be a warm up for Field Day, the most tactical event of the year.

Oh yes, since this is a warm up, it will be a sprint type of contest in duration. We want this to be the first contest for many hams, and that is why there is a Newbie category!

Here is the deal, this contest will be scheduled for June 6th, 1998.

All stations participating must be QRP. QRO stations are okay to work.

Since this is tactical, Morse will be the language of the day.

HF and VHF bands may be used. No WARC, I'm a gentleman.

No repeaters, multiple transmitters one at a time are okay, single op entries only. Newbies may have an Elmer or control op (if license class requires it) with them.

The Exchange will be Call, RST, Name, and TAC or Country.

(Did you know Canada and several Caribbean islands have TACs?)

If you are outside the US Canada or Caribbean, then you may use the country you are in.

If portable, then you use the area code of the nearest pay phone.

Now no jokes like using 800 or 900, they will not count.

Maps of the TAC are available everywhere, use your phone book, address book, etc.

There will be 5 categories.

They are QRP(1 to 5 watts)

QRPP(less than 1 watt)

Tactical(Portable)

Home-brew(You've built it)

Newbie(It's your first contest ever)

You may enter up to 4 of these. One winner will be in each category.

Put it on your calendar now!

Ron Polityka, WB3AAL
Eastern Pennsylvania QRP Club

=====

QRP TAC Contest Rules

DATE/TIME: Saturday, June 5, 1999 1800 to 2359Z
MODE: CW only

EXCHANGE: Call, RST, Name, and TAC (Telephone Area Code) or Country. Note - DX countries without an area code may use their Country Prefix.

Pennsylvania stations will send an "X" after the prefix.
Most TACs may be found in your telephone directory.

Example - N3EPA DE EA8YU UR 559 GORAN EA8 BK
EA8YU DE N3EPA QSL UR 559 RON 717X BK

CATEGORIES: A total of 5 categories are available, and you may enter in up to 4 of them. They are:

QRP, 5 watts output or less.

QRPP, Less than 1 watt output.

Tactical, a portable, temporary station using temporary antennas.

Homebrew, if you built it as a kit or from scratch.

Newbie, if this is the first contest you have ever entered yourself.

QSO POINTS: 5 points for every QSO.

10 Points for each QSO with a Pennsylvania station.
The same station may be worked on different bands for additional QSO points and multipliers.

FREQUENCIES: HF and VHF bands, excluding 30, 18, and 12 meters.
No WARC bands. Suggest that you stay *around* the standard QRP frequencies. If using VHF bands, stay around standard calling frequencies. No repeater operation permitted.

MULTIPLIER: TAC and Country prefixes.
SCORE: Total score = QSO points x TACs and Countries + 1000 points for every category that you entered.

POWER: 5 watts or less output.
AWARDS: To be determined. Certificates for each winner in each category at least.

Contest Chair may participate, but not eligible for awards.

Submit your log showing:
Band, Time UTC, Station, RST rec'd, Name, and TAC or Country prefixes.

DEADLINE FOR SUBMISSION IS 15 JULY 98.
WINNERS ANNOUNCED BEFORE 31 JULY 98.

For sample log, and TAC/CC sheet, send SASE and one unit postage to:

Ronald J Polityka
1155 Robeson St 2nd Flr
Reading, PA 19604-2151

=====
ENTRY FORM - DUE BY 15 JULY 1998. PLEASE ATTACH LOG SHEET.

CALL _____ NAME _____

LOCATION _____

MAILING ADDRESS _____

TELEPHONE AREA CODE OR COUNTRY PREFIX_____

CATEGORIES ENTERED (NO MORE THAN 4 MAY BE CHECKED)

QRP |_|

QRPP |_|

TACTICAL |_|

HOME BREW |_|

NEWBIE |_|

TOTAL QSOs (EXCEPT PA TACs) X 5 POINTS = _____

TOTAL QSOs WITH PA TACs X 10 = _____

TOTAL QSO POINTS = _____

TOTAL OF TACs AND Country prefixes = _____

MULTIPLY TOTAL QSO POINTS BY TOTAL OF TACS and Prefixes = _____

ADD 1000 POINTS FOR EVERY CATEGORY ENTERED TO ABOVE SCORE TO OBTAIN TOTAL
CONTEST SCORE

= _____

MAIL TO:

Ronald J Polityka
1155 Robeson St 2nd Flr
Reading, PA 19604-2151

OR EMAIL TO: wb3aal@talon.net (Text files only, no attachments! Please put
TAC in subject line.)

=====
72 & 73
Good DXing
Ron de WB3AAL

wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

| | |
|-----------------|---------------|
| EPA QRP #1 | NJ QRP #179 |
| KL7 QRP # 309 | G-QRP # 3031 |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal # | Zombie #625 |

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Sat, 22 May 1999 08:02:45 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-1@LeHigh.edu
Subject: [41116] HamComm
Message-ID: <3.0.6.32.19990522080245.00dcaec0@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just checked out the prizes listed by
Doug Hendricks KI6DS and realized the
GREAT odds to walking away a winner.

80+ Pre-registrations

42 Prizes committed already and the
list is growing.

Check out the list at:

<http://www.fix.net/~jparker/norcal/hamcom/hcpr.htm>

Got my tickets, C U THERE !

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Sat, 22 May 1999 11:14:09 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [41117] Mobile fever
Message-ID: <001101bea46e\$2018b300\$4f5e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

Well, just reading all the posts of mobile setups got me off my duff. I had picked up a Hustler 40M antler and quick disconnect at the Club's Hamfest in April, but had not got around to it.

Last night I finished planting corn and then it rained, so today became the day...I've got it and my SWL40+ and vibroplex paddles w/tick3 keyer installed. Operating off my gel-cell while stationary is super, but engine noise is going to take some taming, but I am on the job and have the rest of the weekend to fiddle with it.

Just letting you all know how infectious this stuff is.

73,

Terry, KA9TXE, East Central Illinois

Date: Sat, 22 May 1999 13:32:06 +0000
From: Walter Amos <waltk8cv@mpdr0.detroit.mi.ameritech.net>
To: Kelly Ellison <kelman@dialnet.net>, qrp-1@lehigh.edu
Subject: [41118] TS-50
Message-ID: <3746B1D6.A91512DD@mailhost.det.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Kelly & group:

Yes!

The TS-50 is one of the greatest HIDDEN bargains in ham radio today! It's not perfect, but what is, but for \$800 smackers new, it runs circles around the SGC-2020 and TT-scout type radios. I got mine used for \$500 bucks and you can't beat that bargain with a stick. I did have to pay \$129 for a stinking 500 Hz filter that is absolutely needed but not very good but darn small in size. Ceramic probably. :-) I still use

my OHR-SCAF with it. No, it doesn't do 2 meters and 440 like the FT-100 but doesn't cost as much either.

Your mileage may vary, E-BAY WARNING, BUYER BEWARE :-)

Walt k8cv

Date: Sat, 22 May 1999 10:21:30 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [41119] Glacier/Waterton Hamfest-QRP-
Message-ID: <Pine.LNX.3.95.990522101149.18893E-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...OK folks....just learned from the Glacier/Waterton Hamfest directors that the QRP Get-together is ON the program and scheduled for Saturday, July 17th, from 3:30pm to 4:30pm....it will probably be held in one of the meeting tents...so bring your goodies for Show & Tell, your tall tales, your true-life adventures and don't forget to bring yourselves as well....hi hi...if anyone wants to add their name to this list please let me know....Jay, WA5WHN, is bringing something for me that I will actually pay him money for and I don't even know what it is!....I guess that's proof that I have "QRP Fever!"....HAR!....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada
Amateur Radio Stamp Collector "QRP! How sweet it is!"

Here's the latest list of people who have indicated they might be attending the Glacier/Waterton Hamfest, middle weekend of July, and who would like to get together for a QRP chew eyeball which is now going to be on the Hamfest Program!...if I've missed anyone please send me an e-mail....

Bill - WA7NWP John - VE6XT Earl - VE6EWM Bruce - VE5QRP
Roy - AB7CE Geno - NR0NR Don - VE6EY K7YD - Doug
Vern - N7SPK Jay - WA5WHN & WB5LYJ Lyndel - N7LT Todd - WA7U
Mal - N7GS

...don't forget everyone to bring a piece or two of qrp equipment and it would be nice to have a discussion on antennas and all the other "secret stuff" that pops a qrp signal through a pileup! Let me emphasize that this will be an INFORMAL get-together....no one's going to stand up and do a formal presentation unless someone has the time to prepare one....if

so let me know eh?....initially I plan to do an introduction of everyone and then just guide the what follows using a list of topics such as antennas, tiny qrp rigs, regular qrp transceivers, Sierra type rigs, the K2, tuners, power for qrp rigs, SOLAR power and so on....

Date: Sat, 22 May 1999 08:29:58 -0500
From: sda <sda@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [41120] Snagged N0HJ/7 in WY at 13:10
Message-ID: <199905221329.JAA25410@mail2.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:10 PM 5/21/99 -0400, you wrote:

>John, N0HJ had been announcing that he would be operating portable from a
>park while on a business trip to Wyoming. I've set two different days with
>him and had to miss 'em because of work. I was planning to shoot for him
>again Saturday (tomorrow).

Just snagged him at 13:10 on 14.060. He answered my cq and gave me a 579 here in Louisiana. Tnx John!

72

Todd Atkins, K4MSW
Baton Rouge, Louisiana
<http://www.qsl.net/k4msw>

Date: Sat, 22 May 1999 09:24:56 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: rwc@frii.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [41121] Re: The non-technical rewards of QRP & Ham radio, PART 2

Message-ID: <374677E8.A8F4BADF@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Rod wrote:

>And, my one great reward, a YL (~13yrs) passed T+ & 13WPM [YYYYEEEEESSSSS].
>She got on the air and called CQ near 7010! No takers.

I really hope that was 7110 so as not to jeopardize her ticket, unless
you were acting as control op.

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Sat, 22 May 1999 09:07:09 -0700
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-l@lehigh.edu
Subject: [41122] Parallel Lines (was Re: loop formula)
Message-ID: <19990522090709.B11480@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> 1. Do I wish to make it resonant? If not, then any approximation of
> about 1 w1 or so will work as well as any other, especially with parallel
> transmission line.

and

> All wire antenna formulas are approximations at best--they are not the
> precision instruments that Ohm's Law is. In cases where parallel line and

Can somebody explain, or point me to an on-line reference which explains,
the differences in antenna feed systems? What's so special about a parallel
feedline versus a coaxial system? What are the advantages to each, and why?

I keep seeing plenty of references to things like, "300-ohm twinlead is much
better than coax," or "450-ohm ladder line is...", etc. Yet, I have failed
to spot a satisfactory explanation as to WHY it's better.

Also, slightly unrelated, if a parallel feedline system is known to be
better than a coaxial system, why are the vast majority of radios built
around a 50-ohm, unbalanced feedline system? (My initial guess is cost --
with the popularity of computer networks, RG-58U has become pretty darn

cheap in quantity).

Maybe G3YCC should create a FAQ on this topic on his website (I don't recall seeing one there). I think it'd be interesting material to read. Thanks in advance. :-)

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Sat, 22 May 1999 08:57:51 -0700
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-l@lehigh.edu
Subject: [41123] Re: Linux (not QRP)
Message-ID: <19990522085751.A11480@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> Hey, is there a Linux reflector for Hams? I took a look at the Linux news
> groups, but usenet is useless these days.

I'm sure there are, but if you can't find one, I'm willing to create one on my computer here at home. It's connected to the Internet via cable modem 24 hours a day, except for when I have to bring it down for maintenance.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Sat, 22 May 1999 10:43:42 -0600
From: "Rod Cerkoney" <rlwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [41124] Re: The non-technical rewards of QRP & Ham radio, PART 2
Message-ID: <002a01bea472\$421a4f00\$d68611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OOPS!

----- Original Message -----

From: Rod Cercone <rlc@frii.com>

To: Low Power Amateur Radio Discussion <qlp-1@Lehigh.EDU>

Sent: Saturday, May 22, 1999 8:50 AM

Subject: The non-technical rewards of QRP & Ham radio, PART 2

> She got on the air and called CQ near 7010! No takers. Also copied a little

^^^^^

TYPO: 7110

I set up the SWL-40+ for the Novice band.

72/3 Rod, N0RC

Fort Collins, CO

arrl, qlp-1, qlp arci, fists, norcal, cqc

da di dah

Date: Sat, 22 May 1999 12:47:54 -0400

From: "Ron Polityka" <wb3aal@talon.net>

To: "QRP-L" <qlp-1@Lehigh.EDU>

Subject: [41125] Solar Link Page

Message-ID: <002801bea472\$d71299a0\$195445c6@wb3aal>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hello,

If you are interested in Alternative Energy, you might want to check out this new page I put on the EPA QRP Club Web page. Click on the HTML or Text link and then look for Alternative Energy Link. It is a collection of links to different solar & wind sights.

If you have a sight that is not posted on this page, please

send me the address and I will add it to the page.

Thanks,

72 & 73
Good DXing
Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

| | |
|-----------------|---------------|
| EPA QRP #1 | NJ QRP #179 |
| KL7 QRP # 309 | G-QRP # 3031 |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal # | Zombie #625 |

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Sat, 22 May 1999 12:04:01 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41126] Source for Gel Cell Batteries
Message-ID: <007101bea475\$4147b560\$445e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

I went to a specialty battery shop and the fellow showed me a huge variety of gel cells. When we got to chatting about what I was going to use it for, he told me that the price per amp-hour would be much better on batteries made for electric wheel-chairs. So, I ended up with a 31 amp-hour battery that is still luggable for my purposes and should easily run all my homemade gizmos for an entire weekend of operating.

This battery will of course be way too much for back-packers, but then I'm only carrying it to the nearest picnic table...

73,
Terry, KA9TXE, East Central Illinois
"A word after a word after a word is power." M. Atwood from "True Stories"

Date: Sat, 22 May 1999 13:15:11 +0100
From: Larry Cahoon <wd3p@juno.com>
To: rmccarty@earthlink.net, qrp-1@Lehigh.EDU
Subject: [41127] Re: Hamsticks
Message-ID: <19990522.172645.4070.0.wd3p@juno.com>

On Fri, 21 May 1999 14:34:49 -0000 "Roger A. McCarty"
<rmccarty@earthlink.net> writes:

>Sent: Thursday, May 20, 1999 3:33 PM
>To: rmccarty@earthlink.net
>Subject: Re: Informal Poll; question
>

>them when they insisted I had to install the capacitor
>mentioned in the instruction sheet and/or a tuner. I
>insisted right back at them that if they market an antenna
>for a specific amateur band, it should resonate at *any* one
>point in that band without add-ons. Seemed to be a foreign
>concept. Adding a 6" tail did indeed allow the antenna to
>resonate at 7.040 which raises the question, why not simply
>make the whip that much longer? Or add one more turn to the
>coil? Oh Well.

Hi Gang,

Not to defend any one company but this is a common problem. Both of my Outbacker ant. had the problem on 40 meters and I had to get a longer whip for each. One of my county hunter resonators will only get down to about 7035 with the stock whip. The answer in both cases is more than just replacing the whip. On the outbacker what I have found it that a longer whip does solve the problem. But when I slip it back into the base for use on 20 m the ant. will no longer tune there. The part of the whip which slips into the base is somehow detuning the ant. if it is too long. As a result I carry to long whip around for the Outbacker Perth. I have to use the short one for 20 m and the long one for 40 m. It is a royal pain.

One note if you use the Hustler spicer mount or other similar setups you can put two resonators for the same band on the mount. It does work and is a great idea if you want to run both 20 m CW and 20 m SSB without a tuner.

72 de Larry.....WD3P in MD

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: 22 May 99 08:46:52 MDT
From: charles cole <chas_c@usa.net>
To: qrp-1@Lehigh.EDU
Cc: chas14@worldnet.att.net
Subject: [41128] FS Heath/Zenith HW 2XL
Message-ID: <19990522144653.3942.qmail@www0h.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I have old Heath/Zenith hand-held 2m transceiver, model HW 2XL for sale. =
Used
only a few times, mechanically and electrically perfect, with manual. Would
ld
someone make an offer, or trade for QRP gear?

Thanks, Chas K3VFH

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: Sat, 22 May 1999 11:36:27 -0700
From: Jim <w7ls@blarg.net>
To: wb3aal@talon.net, qrp-1@lehigh.edu
Subject: [41129] Re: Great Solar System for Backpacking.
Message-ID: <3746F92A.FFDCC727@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Didn't see any prices. I e-mailed them about that. I'll post them, if
anyone wants me to. At least, I'll post the general ballpark prices. 73
de Jim, W7LS

```
> Check out this site if you like to go backpacking with
> batteries. Looks like it would be worth the weight to
> carry to charge those batteries while running QRP
> on the trail.
>
> http://www.ovonic.com/military.html
>
> 72 & 73
> Good DXing
> Ron de WB3AAL
> wb3aal@talon.net
>
> vvv Eastern Pennsylvania QRP Web Page vvv
> http://www.kpsnet.com/wb3aal/Start_Page.htm
> Eastern Pennsylvania QRP Club Call --> N3EPA
>
> EPA QRP #1 NJ QRP #179
> KL7 QRP # 309 G-QRP # 3031
> ARCI QRP # 5318 10 - X #13173
> NorCal # Zombie #625
>
> SETI @ Home Project
> http://setiathome.ssl.berkeley.edu
```

Date: Sat, 22 May 1999 13:48:38 -0500
From: mjfitz@uswest.net
To: qrp-l posts <grp-l@Lehigh.EDU>
Subject: [41130] ICs & PADS
Message-ID: <3746FC06.BE064FF1@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I mount IC sockets on pads made with a sheet-metal punch (at 3/16 of an inch) by bending the pins 90 degrees. Grounded pins are, of course, not bent and are just long enough to reach the ground plane. I use inexpensive machined-pin sockets from Mouser (part no. 151-308SGT - \$.20-.26...8-pin size). Unused pins are cut off with dremel-type cutting disc or snips. I bend pins 1, 4, 5, and 8 straight out away from the body lengthwise, and bend the other pins at appropriate angles away from the center. If there is not enough room to snug-up the pads

close to the IC body for the size pad you are using, simply use the component lead to bridge the little gap between the pad and the end of the pin and tack it.

The pins can only be bent once, but if you find that it isn't at the angle you need, the individual pins will turn in the socket body with a little force from some forceps or needle-nose.

If you don't have a set of locking forceps for doing this kind of work you are making it much more difficult than it needs to be. They are a tremendous help, although I will not recommend the ones sold at RS--have found them to be of inferior quality (more than once). The CURVED 4.5 or 5 inch size is about the best to use...You can lock the part in the forceps (also know as hemostats in the medical world) by its lead and easily hold it at any angle while soldering. It makes it a lot easier...Mouser and Digi-Key sell them I believe.

Hope this helps... check-out the 'brewed SST article featured in the latest Iowa QRP Club Newsletter to see what it looks like...

<ftp://divis17.ped-gen.uiowa.edu/pub/iaqrp-l/journal/>

Mike KI0AF

Date: Sat, 22 May 1999 14:01:13 -0500
From: Jeff Davis <jeff@jehosophat.com>
To: Jim <w7ls@blarg.net>
Cc: QRP-L List <qrp-l@lehigh.edu>
Subject: [41131] Re: Great Solar System for Backpacking.
Message-ID: <19990522140113.A12860@jehosophat.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Quoting Jim (w7ls@blarg.net) [990522 11:36]:
> Didn't see any prices. I e-mailed them about that. I'll post them, if
> anyone wants me to. At least, I'll post the general ballpark prices. 73
> de Jim, W7LS

Please do, I wondered the same thing but didn't send them any email.

Thanks!

--

Jeff Davis, N9AVG
<http://jehosophat.com>

Date: Sat, 22 May 1999 12:10:22 -0700
From: Jim <w7ls@blarg.net>
To: qrp-1@lehigh.edu
Subject: [41132] Solar panel prices
Message-ID: <3747011E.81E52CE@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, gang.

I'm starting to get several 'yes, please do post it to the group' messages, after only a few minutes. I will do so, so please stand by. That will keep the message count down for everyone. 73 de Jim, W7LS

Date: Sat, 22 May 1999 15:49:06 -0400
From: "Ken Hanks" <kennfd@snet.net>
To: <kc5tja@dolphin.openprojects.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41133] Re: Parallel Lines (was Re: loop formula)
Message-ID: <001f01bea48c\$2b532ac0\$62c93ccc@acer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sam:

The major advantage ladder line (twin lead, open wire feeder) is it's ability to handle a large SWR mismatch with little loss. Coax, even the real good stuff, loses power with high SWR. Feedline radiation is also a problem with coax in using SWR situations.

A dipole of almost any length fed with ladder line to a tuner will cover most of the HF bands.

Ladder line needs to be kept away from metal objects, cannot be direct buried, and a tuner or balun is needed for the transmitter.

Coax was in use long before computer networks. Not sure how it became the standard.

73,
Ken Hanks K1XS

KenNFD@snet.net
<http://www.qsl.net/k1xs>

Date: Sat, 22 May 1999 14:36:10 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [41134] Regen Radio
Message-ID: <199905222034.0AA02137@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

After reading about the regen radios I was lucky to find a Science Fair
Globe Patrol by Rat Shack in perfect working order in a yard sale for \$1.00
today. Cal KF7ET Misplaced Vermonter in Idaho

Date: Sat, 22 May 1999 16:53:18 EDT
From: AF5Uqrp@aol.com
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Cc: w0av@juno.com
Subject: [41135] Re:Valor vs Hamsticks
Message-ID: <886fbec8.2478733e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been QRP HF CW mobiling for many years now. I started with the
Hamstick and then found that the Valor or Pro-Am has several major advantages
over any of the other helical wound fiberglass brands. The Valor is physical
made different so that one does not lose stinger tuning when the antenna is
broken down. I go to the airport and other places that requires me to break
down the antenna - Valor's stinger assembly unscrews from the pole without
loosing the lock down screw adjustment of the stinger. That one feature makes
the Valor worth its value over the competition. But, wait - there's more!
The Valor is made so that they can be series connected making excellent base
antennas (with guying) - try that with a hamstick. Valor makes a dipole
mount for two helical fiberglass antennas. The input impedance to the dipole
is 25 ohms. That can be matched using a step-down transformer (50:25 ohms

by Palomar @ the feed point) . Dave Little - AF5U

Date: Sat, 22 May 1999 14:23:16 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [41136] Fw: Re: Hamsticks
Message-ID: <19990522.143344.-69413.0.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Fri, 21 May 1999 14:34:49 -0000 "Roger A. McCarty"
<rmccarty@earthlink.net> writes:

>Sent: Thursday, May 20, 1999 3:33 PM
>To: rmccarty@earthlink.net
>Subject: Re: Informal Poll; question
>Hi Gang,

On the outbacker what I have found it that a longer whip does solve the problem. But when I slip it back into the base for use on 20 m the ant. will no longer tune there. The part of the whip which slips into the base is somehow detuning the ant. if it is too long. As a result I carry to long whip around for the Outbacker Perth. I have to use the short one for 20 m and the long one for 40 m. It is a royal pain.

Hi Larry and gang,
If you guys would use a screwdriver ant. you wouldn't have these problems. HI!
72/73 & zut
Bill K6MGO

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 22 May 1999 14:49:44 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: we6w@qsl.net
Cc: qrp-1@lehigh.edu, elecraft@qth.net
Subject: [41137] Re: Long Shot for K2 fun...
Message-ID: <v0310281db36cd3f8b926@[206.169.228.223]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi Ed,

Your offer to build someone's K2 is one of the most generous I've ever heard--I hope someone is lucky enough to take you up on it! It isn't a trivial task (estimate: 50 hours). Let us know if there's anything we can do to help you with repair, spare parts, K2 T-shirts, etc.

We're also planning to kick off an Elecraft Mentor's Club later this year. Your offer certainly puts you in the running for Member #1.

Perhaps we should refer to our network of skilled K2 guides as "Sherpas." We'll have to have a contest to see who can build a K2 entirely without supplemental oxygen ;)

73,
Wayne

From: Ed Loranger <we6w@qsl.net>
Organization: <http://www.qsl.net/we6w>
X-Mailer: Mozilla 3.0Gold (X11; U; HP-UX B.10.20 9000/725)
Mime-Version: 1.0
To: qrp-1@lehigh.edu
Subject: Long Shot for K2 fun...
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Return-Path: <owner-qrp-1@fidoi.cc.Lehigh.EDU>
X-Origpt: rfc822;qrp-1@fidoi.cc.Lehigh.EDU

Howdy QRP aficianados. Happy Friday.

At one time I was to build a K2 rig for a friend. The cost of my services was to be one week of fun operating the K2 when built. This fell thru.

In the meantime I have new projects to keep me busy but I'd still like to build a K2 for someone if they'd let me use the completed rig for one week of clean, no smoking, indoor use.

Problem is, I can't get to this until after the Yosemite trip which ends August 1st.

The most enjoyable situation would be someone who want's

a K2 but cannot build or calibrate it and has therefore not ordered the kit.

I have a HP Spectrum analyzer, HP 100 MHz O-scope, DMM etc. I'm professionally trained in industry techniques of fabrication, assembly, soldering etc. and have been a lead technician since 1982. Though I'm a programmer since 1986, I'm current with the industry since I support RF test stations covering most of a 60,000 sq. foot floor. My strength is in troubleshooting quickly and I never give up to. My Kepner Tregoe training is still with me as well. (Analytical Troubleshooting).

So if this helps YOU get a K2, then send me an email. I can only build one so if I get more than One email, we'll chat privately.

Until then I've got to finish a Island keyer, RF Detector, GM-20, 30, and 40, a NC-49'er, two ZM-2's and keep my bicycle running!

Phew!

Hope to hear some of you tomorrow during the weekly WSN-40 QRP net. (Saturdays, 9:00 AM Pacific time, 7040 KHz +/-

P.S. My buddy borrowed my soldering station 5 weeks ago. Finally getting it back tonight! It's been like riding a bike without wheels!

72 Ed we6w

--

-Ed AR QRP Millennium QSO's=624/2000 QRP-L#1068
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Sat, 22 May 1999 17:58:51 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [41138] Re: Parallel Lines and Coax Lines (a bit long)
Message-ID: <Pine.GS0.4.10.9905221716080.3073-1000000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sam,

Your question about coax vs. parallel feed line may have some general

interest, so I shall take a first slice and send it to the group as well as to you.

Most amateur and a good bit of commercial communications gear is designed for an unbalanced low impedance output, and 50 Ohms has become a de facto standard. This is not complete an accident, because coaxial cables tend to have the highest efficiency in this range. The use of the unbalanced output, with one side grounded, in equipment permits a common RF and DC ground which is the same as the chassis, and this simplifies station grounding, since a single buss wire or cable provides a ground line to earth.

Coaxial cable, consisting of a center conductor and a concentric tubular conductor (known as the shield or braid) provides the transmission line conditions for conveying power to the antenna. Because of the materials used and limitations in the current carrying capacity of the center conductor, coaxial cables have an inherent minimum loss that is noticable. It varies with frequency, increasing as the frequency increases. Only the best hardlines have losses that are as low as those in parallel feedlines, but hardlines are expensive and difficult to handle.

The basic loss figures for coaxial lines are set with a perfect match, which is a condition where the SWR is 1:1 between the antenna and the feedline characteristic impedance. SWR values above 1:1 yield peak currents that reach values roughly equal to the SWR times the current at a 1:1 SWR, and this creates additional losses. The SWR losses act like a multiplier on the basic loss figure. Hence, the general rule of thumb is that for most efficient operation, coaxial lines should be used where we can keep the SWR low. The losses on 80 or 40 with a moderate SWR are far less than at 15 or 10 meters with the same SWR value.

Some antenna designs either have an inherently low impedance or can be designed for a low impedance input through a matching section. Some beams have impedance too low for coax, so the matching system at the antenna increases the impedance to match the coax value. Most of these antennas are either monoband antennas or they are specially designed multi-band antennas, such as the typical triband beam. There are not too many design types that maintain a feedpoint impedance at coax value across a wide frequency range. The log periodic array is one such design.

There are a number of relatively simple antennas (from a mechanical and economic point of view) that are perfectly good radiators, but which have a variable feedpoint impedance, depending on the frequency of use. Here is one place (but not the only place), where parallel feedlines come into the spotlight. Parallel feedlines range from TV-type twinlead to vinyl-covered "windowed" feeders to bare open wire feeders with periodic insulating spacers. They tend to range in impedance from 300 to 600 Ohms

or more. Above the spacing for 600 Ohms, the characteristic impedance tends to climb very slowly for further widening of the spacing.

Because the insulation is mostly air between the wires and the wires are fairly sizable for the currents involved, parallel lines (subject to limitations) tend to have an exceptionally low loss under matched conditions. Hence, even when we operate such lines at a high SWR (meaning there is a large mismatch between the antenna feedpoint impedance and the feedline characteristic impedance) the overall losses are very low.

Such lines require care in placement, since the field between the two wires is "exposed." (In contrast, the field in the coax line is between the center conductor outer surface and the inside surface of the tubular or braided outer conductor.) Hence, we must space such feedlines several times their width from metallic objects, etc., to preserve the balance between the lines. Low loss comes at the price of careful handling.

For wire antennas that are center fed--as just one example--the parallel line is already balanced. Even if the antenna impedance is low, a coaxial line may suffer currents on the outside of the braid which disrupt the pattern, so a balun is used as a precaution against such common mode currents. A balanced line handles a balanced antenna naturally.

However, the parallel line is operated normally in a mismatched condition, and the actual impedance along the line changes continuously down the line. This change can be calculated if we know the antenna feedpoint impedance and the characteristics of the line, but many users simply rely upon the antenna tuner to transform whatever impedance appears at the terminals into the 50 Ohms needed by the transceiver for most efficient power transfer. A truly balanced tuner is the best, but other tuner techniques are usually acceptable for this task. When the tuner components cannot effect the required impedance transformation, usually changing the line length will alter the resistance and reactance at the tuner terminals to values that can be effectively transformed for maximum power transfer.

All-band wire doublets, off-center-fed wires, multi-band vertically or horizontally oriented loops, and larger wire arrays are all antennas that benefit from the use of parallel feedlines and an antenna tuner. On the other hand, antennas designed for 50-Ohm feedlines tend to benefit from coaxial cable use. The idea of "benefitting" here means the sum of all considerations involving feedlines, including convenience as well as efficiency.

Beware of any statement that tries to summarize transmission line use into a single sentence or two. It cannot be done--and if tried, usually ends up saying something false. Even this little account is severely limited and open to exceptions. However, I hope it begins the process of sorting

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just visited the OrCad page (www.orcad.com) and noticed that version 9 is available.

73 de Vince, VE3VFN.

Date: Sat, 22 May 1999 17:08:26 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [41141] Trade OHR-500/ DD-1
Message-ID: <199905222209.RAA30828@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK,

I have a OHR-500 and DD-1 that is very well built, obviously in new condition and works great and looks great.

I would like to trade this for another HF rig. Thinking about a loaded Sierra, An Argonaut 515, or towards a K2.
This is a very nice radio, but it just doesn't fit my operating requirements. It runs over 5 watts 80 thru 20 and the WM-1 shows 3 watts on 15. The DD-1 display is very versatile. Contact me direct for more information. I'm not interested in a cash deal.
Looking for QRP items. Let me know what you have to trade.

Thank you,

Kelly Ellison - WB0WQS - Aurora, Mo -- Summit City of the Ozarks.

Date: Sat, 22 May 1999 18:12:13 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@lehigh.edu>
Subject: [41142] A good experimenter's book.
Message-ID: <002301bea4a0\$25ad7580\$463167d1@vince>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Received the book Technical Topics Scrapbook 1984-1989 by Pat Hawker. This is a collection of RadCom, RSGB's monthly magazine column of the same name covering the years shown in the title.

This is a very good book for the experimenter. This issue is available from the RSGB, the new issue covering 1990 to 1994 is also available from the ARRL.

Paid full price and liked it very much.

73 de Vince, VE3VFN.

Date: Sat, 22 May 1999 15:13:23 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <k6mgo@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [41143] Re: Hamsticks
Message-ID: <000501bea4a0\$4eb28ec0\$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> On the outbacker what I have found it that a longer whip
> does solve the
> problem. But when I slip it back into the base for use on 20 m the ant.
> will no longer tune there. The part of the whip which slips into the base
> is somehow detuning the ant. if it is too long. As a result I carry to
> long whip around for the Outbacker Perth. I have to use the short one for
> 20 m and the long one for 40 m. It is a royal pain.
>

Talking about the outbacker ... has anyone here used the outpost base tripod that alpha delta also makes? I go camping alot and I'm also handicapped, so I need something very painless to setup -- something I can do from a wheelchair.

Thanks,
Kory
AC6RN

Date: Sat, 22 May 1999 17:46:06 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [41144] CB to 10, Uniden PC122XL SSB rig
Message-ID: <199905222230.SAA15717@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi Gang,

There's still a lot of interest in converting CB's to 10 meters.
Last Christmas, I ordered a Uniden PC122XL from Copper Electronics,
'cuz it's the cheapest SSB CB around, they have them for \$79.99 now
(I think I may have paid \$89.99)

Anyway, today I decided to sit down and take a good look at the PLL
and what it would take to move it. Turns out changing the PLL xtal to
a standard 11.0592 Mhz xtal will make it tune 28.266 to 28.74 Mhz in
10.8 Khz steps. There will be some bigger holes here and there due to
the CB freq plan.

I was really hoping to move it to 17 meters, but that will take a
8.950 Mhz xtal and that isn't a common cpu clock freq. Just far
enough away from 9 Mhz to be a problem.

Okay, now to figure out what coils need to be tweaked and how to
open up the clairifier so we can tune between steps better.

Don't ask me about converting other radios, cuz, I don't know!

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sat, 22 May 1999 18:31:59 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [41145] TAC Contest Correction
Message-ID: <003c01bea4a2\$e89fda40\$385445c6@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP TAC Contest

DATE/TIME: Saturday, June 5, 1999 1800 to 2359Z
MODE: CW only

72 & 73
Good DXing
Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

| | |
|-----------------|---------------|
| EPA QRP #1 | NJ QRP #179 |
| KL7 QRP # 309 | G-QRP # 3031 |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal # | Zombie #625 |

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Sat, 22 May 1999 16:35:18 -0600
From: "Rod Cerkoney" <rlwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [41146] FS: SWL-40+
Message-ID: <00a301bea4a3\$61176420\$cd8611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Board and enclosure kit, Assembled, shipped CONUS, \$95.

Works great, I've had it on the air a time or two, looks great, small black

& grey case.

I built this radio as an instructional aid for a Ham class that I helped to teach, and really don't need it. I had hoped one of the students would take an interest in QRP and buy it, no takers.

72/3 Rod, NØRC
Fort Collins, CO
arrl, qrp-l, qrp arci, fists, norcal, cqg
da di dah

Date: Sat, 22 May 1999 18:55:49 -0400
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "Ten Tec @ Contesting.Com" <tentec@contesting.com>
Subject: [41147] FS: Ten-Tec Scout 555, Price reduced !
Message-ID: <005101bea4a6\$4cdf94c0\$d006f0d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="windows-1257"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi Again

I am posting this for K8VB, Virgil Beal, price reduced to \$550.00.

FOR SALE:

Ten-Tec Scout 555, four months old, never used mobile, non-smoker. =
Three band modules, 40, 30 and 15 meters, Noise blanker. Used QRP at 5 =
watts only. Condition is as new. Shipping paid by K8VB.

\$550.00

Please contact me via E-Mail for Virgil's phone number and address.

Thanks again.

Ken/ne0c
USAF Retired
Flushing, Ohio
ne0c@1st.net

Date: Sat, 22 May 1999 15:53:21 -0700 (PDT)
From: David Feldman <dgf@netcom.com>
To: qrp-l@lehigh.edu
Subject: [41148] wa3jpg de wb0gaz
Message-ID: <199905222253.PAA05595@netcom12.netcom.com>

clark pse drop me an e-mail...
73 Dave WB0GAZ dgf@netcom.com

End of QRP-L Digest 1465

